

# Analytical Data Sheet

Lot number

**1026302**

not for drug use

|                                |   |
|--------------------------------|---|
| <b>Catalog Number</b>          | <b>B-3755.0005</b>                          |
| <b>Product number</b>          | <b>4042764.0005</b>                         |
| <b>Product</b>                 | <b>Fmoc- Homoarg- OH hydrochloride salt</b> |
| <b>Molecular formula</b>       | $C_{22}H_{26}N_4O_4$                        |
| <b>Relative molecular mass</b> | 410.47                                      |

| Tests                                | Results  |
|--------------------------------------|--|
| <b>Appearance</b>                    | white powder   |
| <b>Appearance of solution</b>        | clear, colorless solution<br>(50 mg/mL in dimethylformamide)   |
| <b>Identification (ESI-MS)</b>       | m = 410.5 u (average mass)   |
| <b>Purity (HPLC)</b>                 | 99.2% (TFA)  |
| <b>Purity (TLC)</b>                  | > 99%  |
| <b>TLC conditions</b>                | n-butanol/acetic acid/H <sub>2</sub> O 4/2/2<br>chloroform/methanol/acetic acid 32% 5/3/1<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, chlorine-tolidine |
| <b>Enantiomer content (GC)</b>       | < 0.1% D-Enantiomer  |
| <b>Assay (elemental analysis)</b>    | 92.0% (Nth 13.65%, Nfd 12.56%)   |
| <b>Water content (KF volumetric)</b> | 0.3%   |
| <b>Chloride content (titration)</b>  | 7.9%   |
| Latest update: September 02, 2009    |  |